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(19) (CA) **APPLICATION FOR CANADIAN PATENT** (12)

(54) Poly Loc Trim Assembly

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(71) Same as inventor

(57) 10 Claims

Notice: This application is as filed and may therefore contain an incomplete specification.



Industrie Canada Industry Canada

Canada

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ABSTRACT

In Door Jamb Assemblies for interior doorways they are known only to be made of wood and steel. In this invention it is fabricated of vinyl and is quicker and easier to install than any previous known jambs. It will screw into place by simple wood screws using specified dimensions and when the facing trims are snapped into place will create an appealing finished look that can easily be changed to suit any change in decor. By being able to be changed in a snap on, snap off manner the facing trims may be different on both sides of the jamb if the adjoining rooms require it.

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The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

Claim 1: A vinyl interior door jamb and trim assembly which attaches to the rough stud openings of interior construction by wood screws on given dimensions and creates a finished door opening ready to attach door hardware.

Claim 2: The facing trims snap on over the track edge of the jamb and covers the wood screws and construction marks of installation.

Claim 3: The facing trims because of its snap on, snap off ability as defined in claim 2 allows for a variety of styles and sizes that can be interchanged to meet required decor.

Claim 4: The facing trims will have snap on upper corners for ease of installation and to create a finished look.

Claim 5: The facing trims will have snap on foot pieces for ease of installation and to create a finished look.

Claim 6: The jamb legs will have inserts to accept door hinges and inserts to accept lock tabs.

Claim 7: The assembly will be rigid enough with pre - moulded stiffeners to carry

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Claims cont'd:

the weight of interior doors.

Claim 8: The jamb legs will be of sufficient length to be cut to match any irregularities in the floor.

Claim 9: The facing trim sections will be of a length sufficient to be pre-cut to meet jamb leg length demands.

Claim 10: The jamb legs will have a recessed moulded stop to allow doors to be fitted flush to the assembly as in conventional style doors.

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SPECIFICATION

This invention relates to the finishing of rough stud door openings and will be most generally applied though not limited to interior applications in the housing construction industry.

The only way presently being used to finish a rough stud opening of an interior doorway is with either wood or steel. Wooden door jambs and facing trims are not only very expensive but also take long periods of time to construct and install thereby causing more housing construction expense. And of course wood is also becoming less attractive in these times of increased environmental awareness. Steel jambs are very unattractive and are used mostly in industrial applications.

For these reasons the necessity of using a vinyl door jamb and trim assembly becomes apparant. It will be much more inexpensive than wood, much more attractive than steel and will be quite faster to install than any conventional jambs. Since vinyls come in a variety of colours, meeting decor needs will be easy and the snap on, snap off trims will again elminate the trimming procedure in the doorway treatment and will be another step in the ever increasing plastic construction materials age.

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DISCLOSURE

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The "Poly Loc" Trim Assembly when installed is a complete door jamb assembly that has a counter sunk section to accept standard door hinges (Detail E Figure 2) and standard lock tabs (Detail G Figure 3), and what makes it most unique a 'Snap on' trim that is completely interchangeable and will come in a variety of shapes to match the decor of any room (Detail H Figure 5) .

The unit consist of a moulded plastic assembly. Figure 1 is a header that will fit over a standard rough stud opening and contains a pre-moulded door stop, (Detail B Figure 1, 2 @ 3). It contains pre-moulded holes to accept wood screws, (Detail C Figures 1, 2 @ 3). It contains plastic moulded tabs on each end, (Detail A Figure 1) which will interlock with pre moulded holes, (Detail D Figure 2). All legs of the unit will contain pre-moulded longitudinal stiffeners to keep unit rigid for doors.

Figure 2 and Figure 3 contains extended legs (Detail F Figure 2) to accept Snap on corners to finish corner of whole assembly, (Detail K Figure 8). Unit can also be cut at bottom to suit levelling of unit to floor grade and finished with Snap on foot also, (Detail K Figure 8). Both Figure 2 and Figure 3 have inserts for door hinges and lock tabs, (Detail E and G).

Figure 4 shows how assembly is installed to rough stud opening with ordinary wood screws, (Detail C). It also shows configuration to accept Snap on trim.

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Figure 5 shows how two different styles of trim can be snapped onto installed unit to give the desired finish for different rooms, IE: Plain in an hallway and Colonial style for a dinning room, (Detail H Figure 5). When the door trim is snapped into place and the corner and foot pieces are installed (Detail K Figure 8) all construction marks, IE: wood screws, bad cuts, etc., are hidden from view.

Figure 6 shows a standard rough stud opening made from wooden studs and is a standard construction feature. It will be made if the builder intends to use the " Poly Loc " Trim Assembly to a standard dimension in the specifications that will come with the assembly.

Figure 7 shows a wall that is ready to accept the " Poly Loc " Trim Assembly and shows how easy installation will be made with a few simple level and plumb lines, (Detail J Figure 7). Once the level and plumb lines are drawn to the specified dimensions , the unit can be simply screwed into place.

Figure 8 shows the finished product, (Detail H and Detail K). The trim configuration may have to meet certain design criteria if some patterns are considered protected under industrial design rights, but that will have to be determined during the engineering and manufacturing stages. It is the intent of the Patent seekers to incorporate the " Poly Loc " Trim Assembly to be used

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in interchangeable baseboards, chair rail mouldings and crown mouldings during manufacture once a patent is granted.

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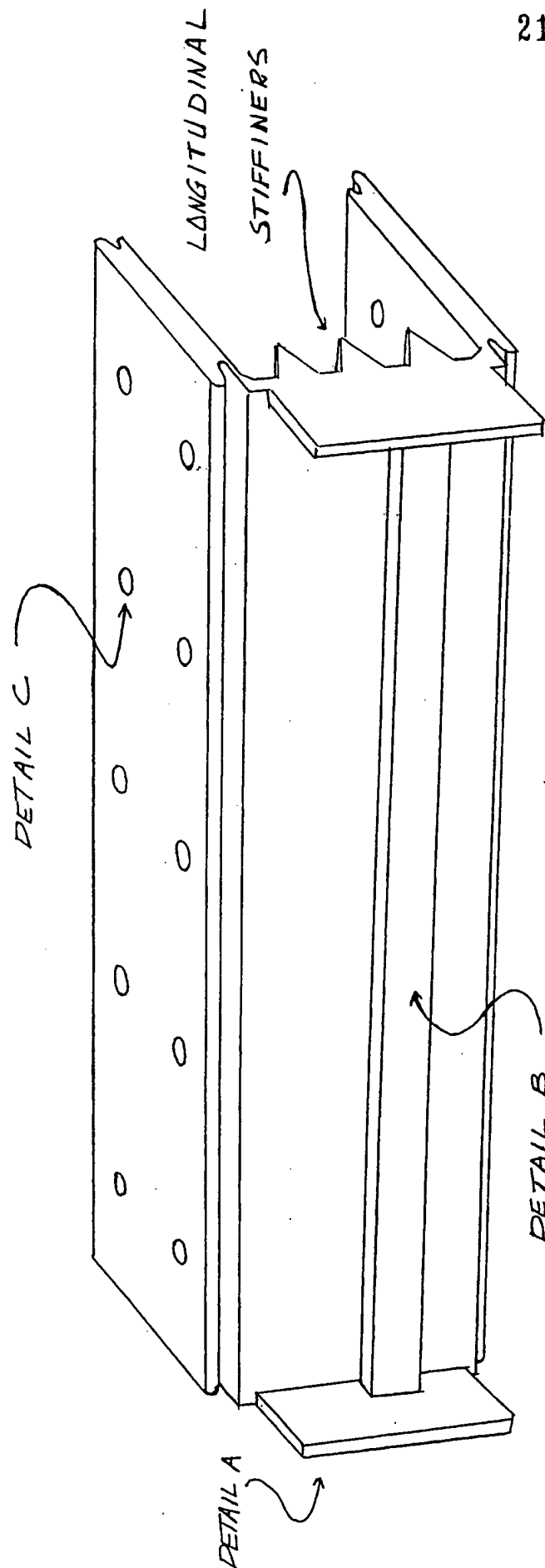


FIGURE 1
"HEADER"

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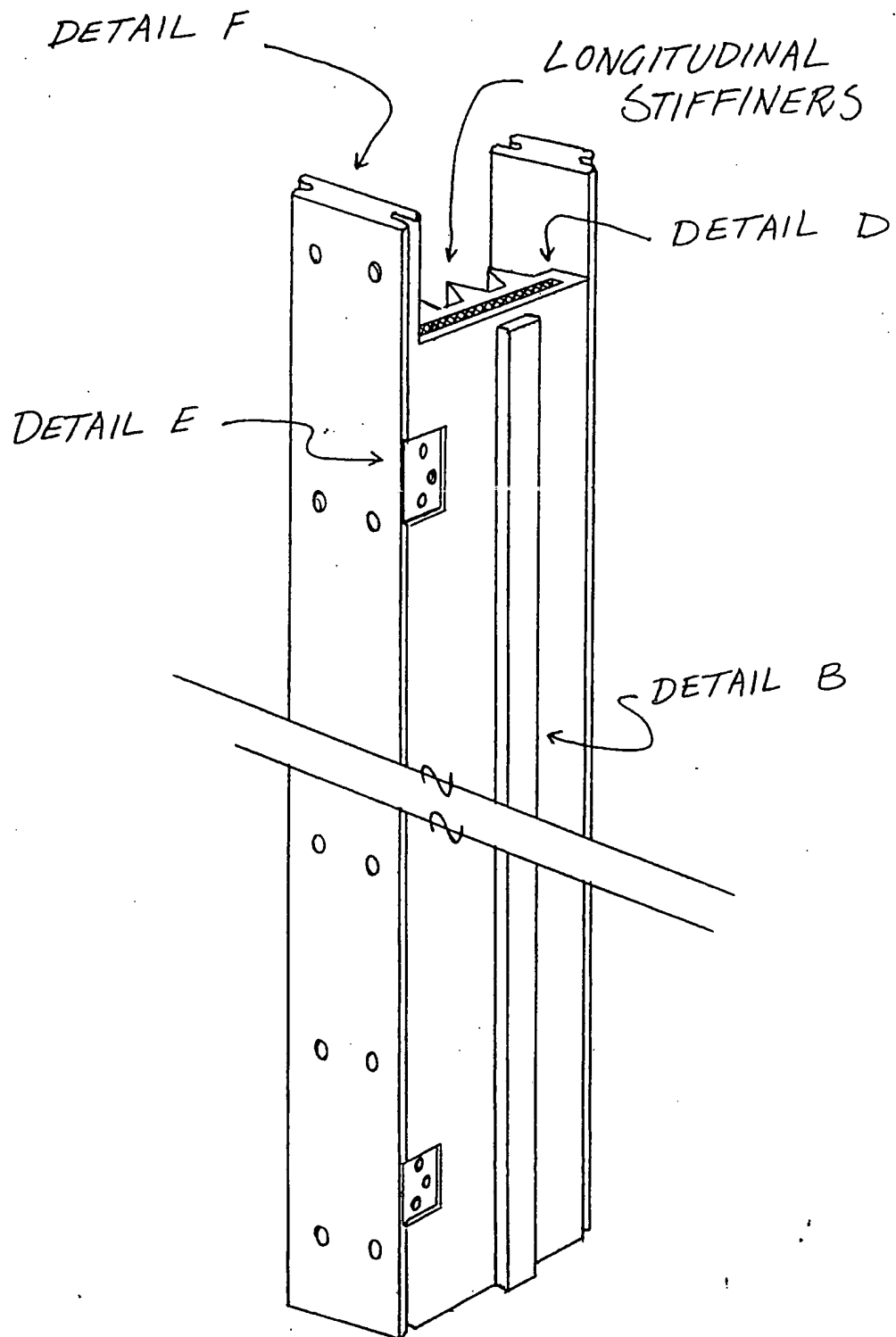


FIGURE 2
"SIDE LEG 1"

NOT TO SCALE
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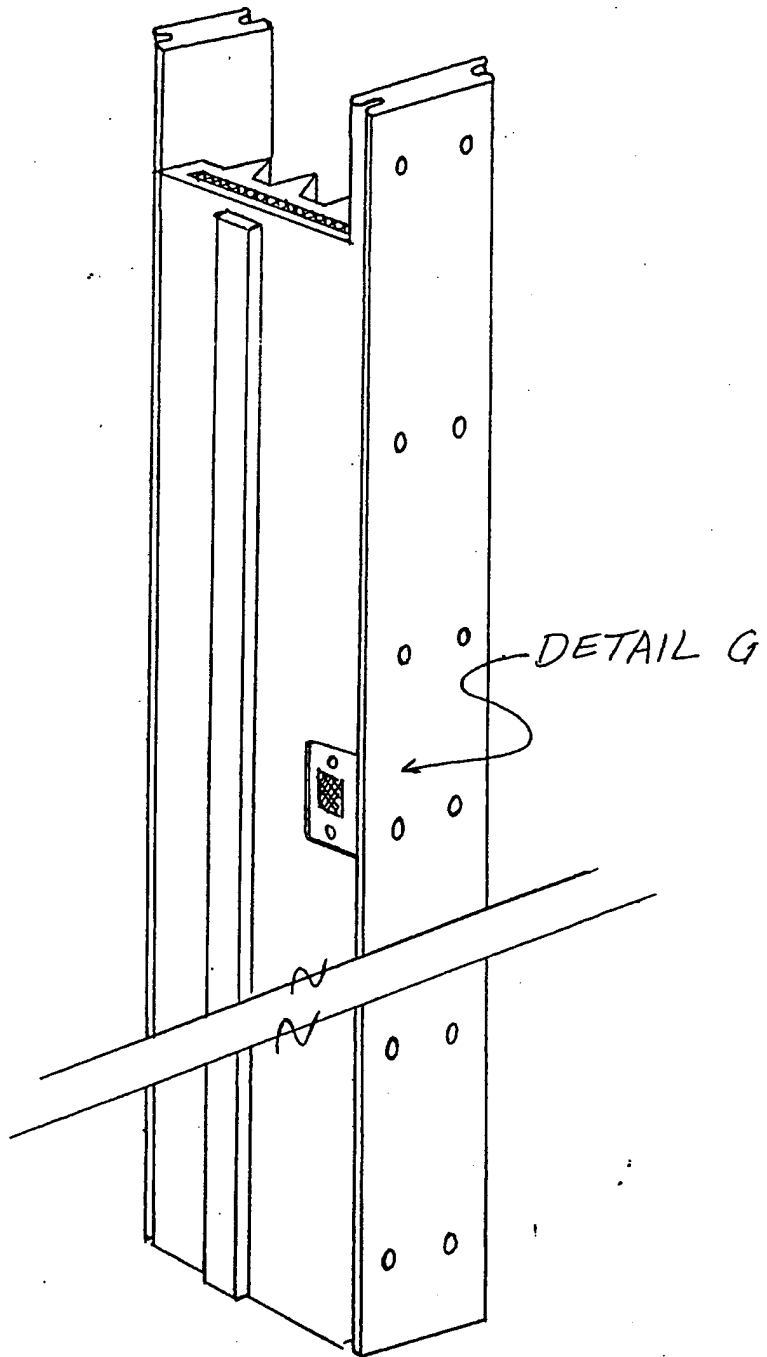


FIGURE 3
"SIDE LEG 2"

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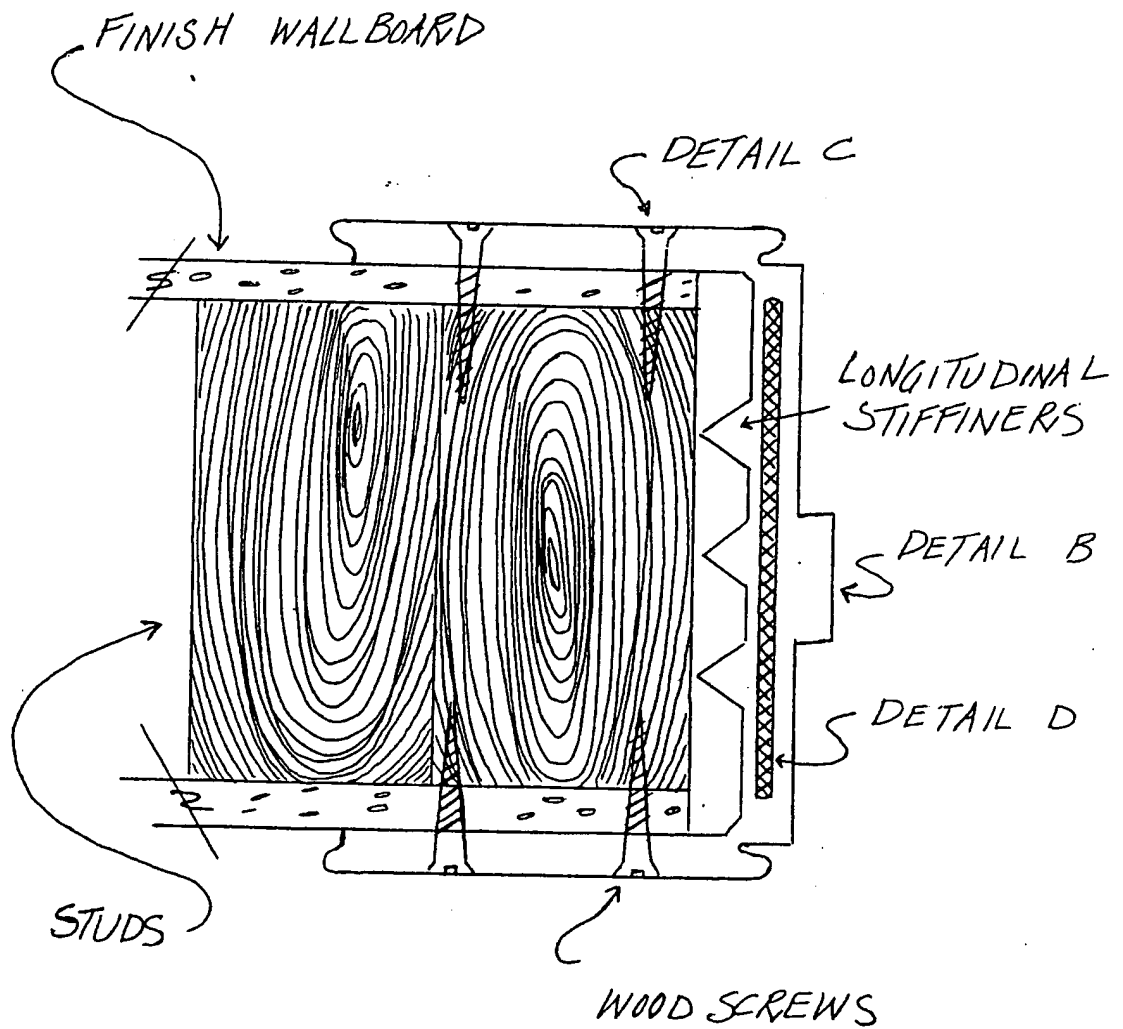


FIGURE 4
TOP VIEW SIDE LEGS
INSTALLED

NOT TO SCALE
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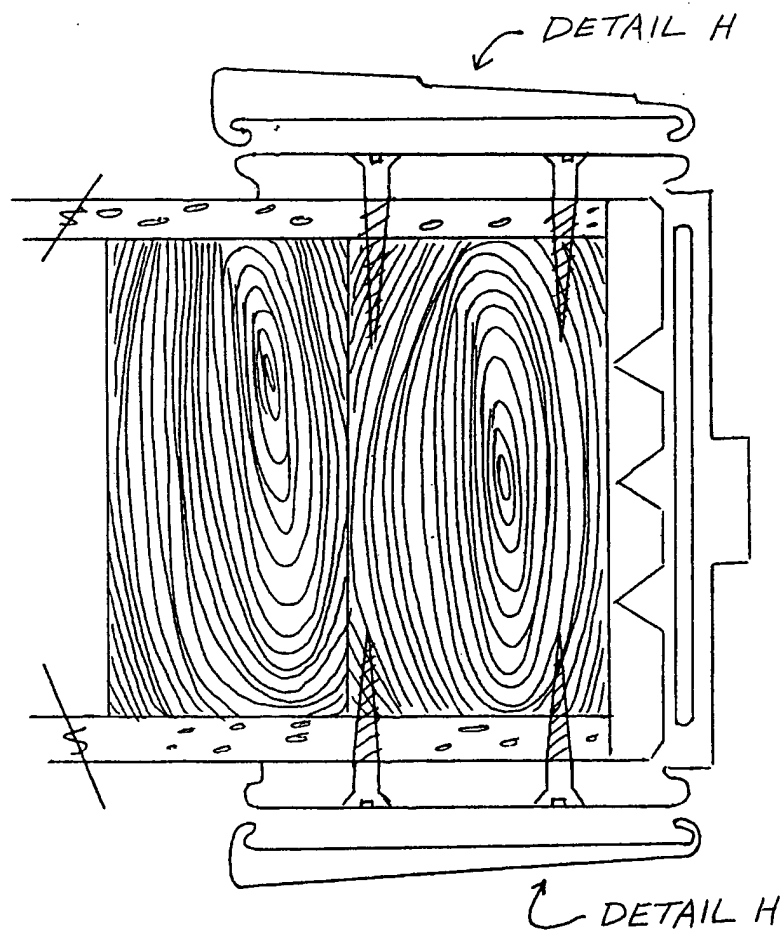


FIGURE 5
TOP VIEW SIDE LEGS.
TRIM INSTALLATION

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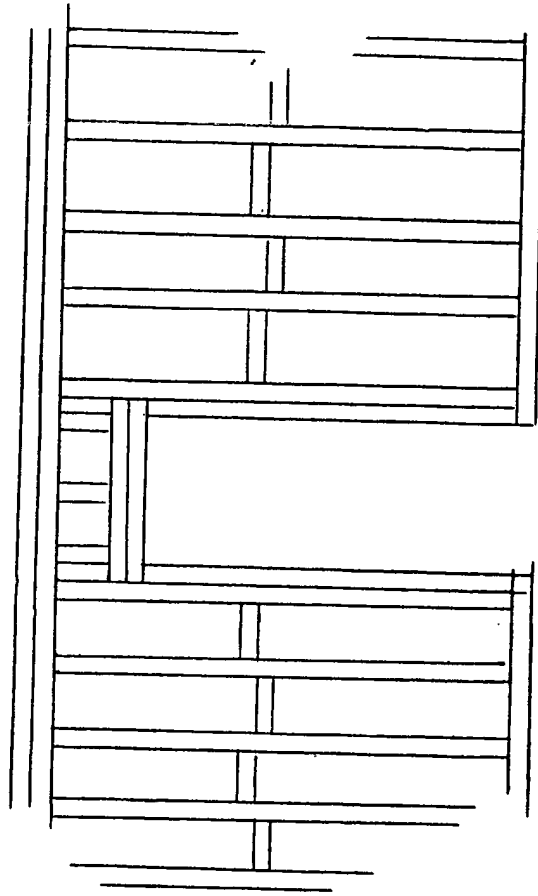


FIGURE 6

TYPICAL WOODEN STUD CONSTRUCTION
DOOR OPENING

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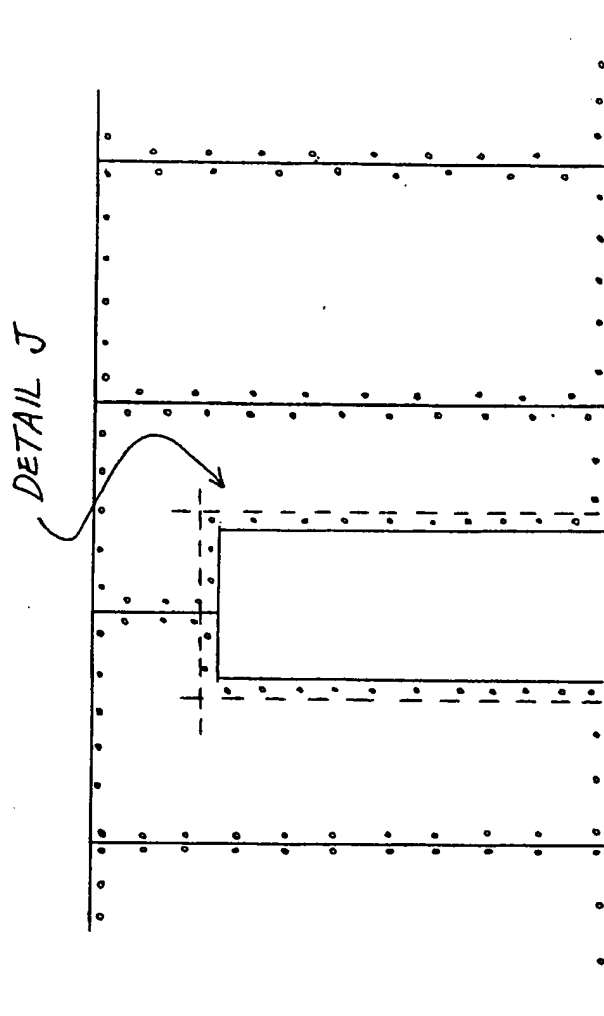


FIGURE 7

TYPICAL WALL DOOR OPENING WITH WALLBOARD
I.E. GYPSUM INSTALLED

NOT TO SCALE
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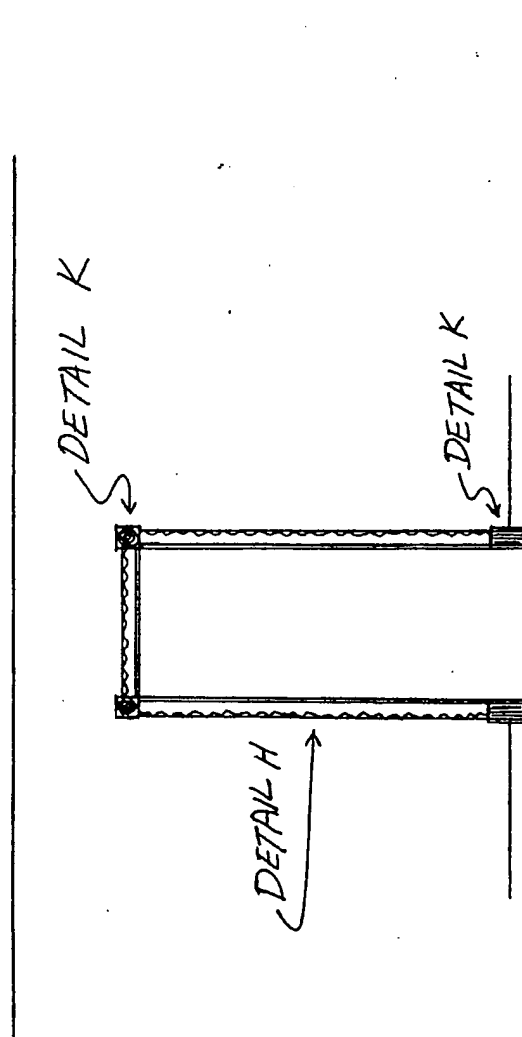


FIGURE 8

FINISHED WALL WITH POLY LOC TRIM
DOOR JAMB ASSEMBLY INSTALLED

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